

# High School to College and Career Pathway: Post-Secondary

Area of Study: Information Technology Education Pathway: Network Systems

Region: Wasatch Front	District:	School:	<b>College/Institution: Utah Valley State College</b> Articulation Agreement in place? Yes <b>Name of Degree or Certificate: Computer Science Computer Networking Assoc of Applied Science Degree (67 hours required)</b>
Contact Person: Don Johnson		Ph.#: 801-957-5807	
E-mail: <a href="mailto:don.johnson@slcc.edu">don.johnson@slcc.edu</a>		Date: 4/6/07	

High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
	ENGL 1010*	1	3 →	ENGL 1010	Introduction to Writing	3
	(Humanities/Fine Arts/Foreign Language)*	1	3 →		Humanities/FineArts/Foreign Lang, COMM 1100 (recommend)	3
				COMM 2110	Interpersonal Communication	3
	BIOL 1010*	1	3 →		Biology or PHYS 2210	3
					Physical Ed/Health/Safety or Environment	1
				CNS 1250	Object-Oriented Programming I	3
				CNS 1380	Assembly Language & Computer Architecture	3
				CNS 2600	Fundamentals of Data Communications	3

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** \*= concurrent ^= distant

# High School to College and Career Pathway: Post-Secondary

Area of Study: Information Technology Education Pathway: Network Systems

High School				College		
Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
<b>Course #</b>	<b>Introductory Courses: (preferred)</b>	<b>Credit</b>				
52.0417	Computer Technology* (Conc.Enroll)	.50	⇒	CIS 1020	Computer Essentials	
11.0101	Information Technology, Introduction	.50				
	<b>Foundation Courses: (required)</b>					
	Choose 1.5 credits from the following courses:					
11.0410	Certified Novell Administrator (CNA)	1.00				
11.0420	Cisco Certified Network Administrator (CCNA)	1.00				
11.0430	Microsoft Certified Professional (MCP)	1.00				
11.0440	Network +	.50	3 ⇒	CNS 2610	Network Administration <u>or</u> CNS 2630 <u>or</u> CNS 2640	3
	<b>Elective Courses:</b>					
11.9920	A+ (Computer Maintenance)	1.00				
11.9940	Linux Fundamentals	1.00				
11.0450	Security Fundamentals	.50				
32.0199	Student Internship (Critical Workplce Skills)	.50				
				CNS 1510	UNIX Operating System	3
				CNS 3610	Advanced Network Administration <u>or</u> CNS 3630	3
				CNS 3690	Advanced Topics in Data Communications	3
				ISYS 2050	Database Fundamentals <u>or</u> CNS 3520	3
					Elective Requirements (Complete 23 credits from the following courses – minimum grade of C- required; must be approved by CNS Dept, see CNS Advisor): CNS 1000, CNS 1350, CNS 2220 <u>or</u> CNS 3220, CNS 2250 <u>or</u> CNS 3250, CNS 2370 <u>or</u> CNS 3370, CNS 2300, CNS 2400, CNS 2550 <u>or</u> CNS 3550, CNS 2610 <u>or</u> CNS 2630, CNS 2650, CNS 3060, CNS 3510, CNS 3630, CNS 3660, CNS 3670, CNS 4190, CNS 4610; EENG 2740; PHYS 2215	23
					Elective	3
	<b>Additional Articulated Classes Below</b>	<b>Credit</b>				
	MATH 1050*	1	4 ⇒	MATH 1050	College Algebra	4
<b>TOTAL Potential Credits Earned in High School</b>			<b>16 ⇒</b>	<b>TOTAL Credits Required for Degree or Certificate</b>		<b>67</b>

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** \* = concurrent ^ = distant

**Note:** This SLCC degree is articulated with a Bachelor of Science degree in Computer Science Computer Networking at Utah Valley State College, meaning many of the above courses receive credit in UVSC's program, facilitating the transfer to UVSC.